



KÖLSCH OF THE TITANS

Fermentables						BJCP Style Guidelines	
Weight (lb)	Name				%		
8.42	US Pale 2-Row				87.9		
0.75	Carafoam				7.6		
0.42	12 Vienna Malt				4.5		
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Hop Additions							
Stage/Tim	e Qty (oz)	1		%AA	IBU	Kölsch (5B)	
Boil/60 m	-	Hallertaur		4.5	9.1	<u>Original Gravity:</u> 1.044 – 1.050 SG	
Boil/15 m	nin 0.41	Tettnanger		4.5	4.6	<u>Final Gravity:</u> 1.007 – 1.011 SG	
Boil/5 m	in 0.37	Tettnanger		4.5	3	<u>Bitterness:</u> 18 – 30 IBUs	
				į	į	<u>ABV:</u> 4.4 – 5.2%	
Yeast						<u>SRM:</u> 3 - 5	
Variety	Qty	Ferm Temp Overall Impression: A clean, crisp,					
WLP029 – German Ale/Kölsch Yeast 1 package				65-69°F		delicately balanced beer usually with a very subtle fruit and hop	
Additives						character. Subdued maltiness	
Amount Name				Stage/Time		throughout leads to a pleasantly well-attenuated and refreshing	
1 tsp/Tablet Irish Moss/Whirlfloc				Boil/15 min		finish. Freshness makes a huge	
1/2 tsp Yeast nutrient 1 vial Clarity Ferm				Boil/15 min		difference with this beer, as the delicate character can fade quickly	
				End of boil		with age. Brilliant clarity is characteristic.	
1 vial Brewzyme D Target Statistics Brew Notes				End of boil		characteristic.	
			r	Notes This is a good ex		xample of a 2 stage mash process.	
	e 5.5 gal	Protein Re Temp/Duratio	est 148° F/15 min	The str	ategy uti	itilized here is to hold the mash at	
OG	1.050	x,				at are more firmly in the ideal range s of enzyme that make starch	
FG	1.007	Sacch Re Temp/Duratio	est 158°F/30 min	conversion poss		sible. The first stage, the "protein	
~%ABV	5.7				rest," focuses on breaking up longer chain protein The brewer then increases the temperature to reac		
Efficiency	'γ	Mash Duratio		the "saccharification rest" wherein starches are			
IBU	15.8	Boil Volume 6.5 gal converted into fermentable sugars. This strat					
SRM	3.6 Boil Duration 60 min			for high-adjunct recipes.			